



Application Number

IDS Flag Clearance for Application 10552461

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 PALM INTRANET**Inventor Name Search Result**

Your Search was:

Last Name = CHOI

First Name = SU-MI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10552461	Not Issued	30	10/07/2005	Powder for isolating infrared rays, and isolating solution and goods using the same	CHOI, SU-MI

Inventor Search Completed: No Records to Display.

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Inventor Name Search Result

Your Search was:

Last Name = SUNG-RYUL

First Name = KIM

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10552461	Not Issued	30	10/07/2005	Powder for isolating infrared rays, and isolating solution and goods using the same	SUNG-RYUL, KIM

Inventor Search Completed: No Records to Display.

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Inventor Name Search Result

Your Search was:

Last Name = PARK

First Name = JANG-WOO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
08961455	5925551	150	10/30/1997	ASPERGILLUS GENUS SHOWING RESISTANCE TO CERULEININ AND L-METHIONINE ANALOGUE AND A PROCESS FOR PREPARING MEVINOLINIC ACID THEREFROM	PARK, JANG-WOO
10552461	Not Issued	30	10/07/2005	Powder for isolating infrared rays, and isolating solution and goods using the same	PARK, JANG-WOO

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1. Document ID: US 20060008640 A1

AB: To provide a laminated structure for shielding against solar radiation having high solar radiation blocking characteristics with low manufacturing costs. Fine particles 11 functioning to block solar radiation are obtained by firing tungstic acid under a reductive atmosphere, a liquid dispersion to form a solar radiation blocking material is prepared by crashing and dispersing treatment of the fine particles, a polymer base dispersing agent, and solvent, and thus prepared liquid dispersion to form a solar radiation blocking material is added to vinyl resin, which is molded into a sheet shape to obtain an intermediate film 12. Thus obtained intermediate film 12 is sandwiched between two sheets to be laminated selected from sheet-glass or plastic to obtain an intermediate layer 2, which is heated and bonded each other to prepare a laminated structure for shielding against solar radiation.

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2. Document ID: US 20050282945 A1

AB: A silane-free coating composition includes a polar aprotic reactive diluent, a colloidal inorganic oxide, and a crosslinkable monomer that has a functionality of at least one.

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Draw Des](#)

3. Document ID: US 20040166331 A1

AB: A touch panel includes a transparent electro-conductive film. The transparent electro-conductive film comprises a primary layer formed on a polymer film, and a transparent electro-conductive thin film or a multi-lamination film composed of at least one metal-compound layer and at least one electro-conductive-metal layer is formed on the primary layer. The primary layer is made of silicon compound. The primary layer is formed by sputtering, using a target having a density of 2.9 g/cm.sup.3 or more.

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Draw Des](#)

4. Document ID: US 20040165005 A1

AB: A touch panel includes a transparent electro-conductive film. The transparent electro-conductive film comprises a primary layer formed on a polymer film, and a transparent electro-conductive thin film or a multi-lamination film composed of at least one metal-compound layer and at least one electro-conductive-metal layer is formed on the primary layer. The primary layer is made of silicon compound. The primary layer is formed by sputtering, using a target having a density of 2.9 g/cm.^{sup.3} or more.

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn Des](#)

5. Document ID: US 20020127353 A1

AB: A transparent electroconductive film has a polymer film, a primary layer formed on the polymer film, and a transparent electroconductive thin film or a multi-lamination film composed of at least one metal-compound layer and at least one electroconductive-metal layer, formed on the primary layer. The primary layer is made of silicon compound. The primary layer is formed by sputtering, using a target having a density of 2.9 g/cm.^{sup.3} or more.

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn Des](#)

6. Document ID: US 20020039651 A1

AB: The present invention provides an adhesive film for a display which exhibits superior anti-reflective properties, anti-static properties and/or infrared ray blocking properties, and in addition, superior image contrast and color reproduction. In an adhesive film for a display comprising at least three layers of a transparent substrate, an optical functional layer, and an adhesive layer, at least two layers of these layers are colored, and these colors are made to be achromatic by mixing.

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7. Document ID: US 7056603 B2

AB: A touch panel includes a transparent electro-conductive film. The transparent electro-conductive film comprises a primary layer formed on a polymer film, and a transparent electro-conductive thin film or a multi-lamination film composed of at least one metal-compound layer and at least one electro-conductive-metal layer is formed on the primary layer. The primary layer is made of silicon compound. The primary layer is formed

by sputtering, using a target having a density of 2.9 g/cm.sup.3 or more.

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KINIC](#) | [Draw Des](#)

8. Document ID: US 6744425 B2

AB: A transparent electroconductive film has a polymer film, a primary layer formed on the polymer film, and a transparent electroconductive thin film or a multi-lamination film composed of at least one metal-compound layer and at least one electroconductive-metal layer, formed on the primary layer. The primary layer is made of silicon compound. The primary layer is formed by sputtering, using a target having a density of 2.9 g/cm.sup.3 or more.

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KINIC](#) | [Draw Des](#)

9. Document ID: US 6207266 B1

AB: Provided is bonding film in the form of web which has a high electromagnetic shielding effect for electromagnetic radiation from the front surface of a display device, and other favorable properties such as an infrared blocking property, a transparency, a invisibility and a favorable bonding property. The bonding film typically includes base film, a geometrically patterned electroconductive layer placed over the base film so as to achieve an aperture ratio of 80% or more, and a bonding layer for attaching the assembly to an object. The film may be applied to the surface of a transparent sheet member for the convenience of handling, and such an assembly has a symmetric structure so that the warping of the assembly may be minimized. The bonding film may be interposed between a pair transparent base sheets, or the bonding film may be applied over two sides a transparent base sheet. The assembly may further include an infrared blocking layer and an anti-glare layer.

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KINIC](#) | [Draw Des](#)

10. Document ID: US 6197408 B1

AB: Provided is electromagnetic shielding bonding film which has an electromagnetic shielding capability, infrared blocking capability, transparency, invisibility and favorable bonding property, and an electromagnetic shielding assembly and a display device using such bonding film. The electromagnetic shielding bonding film is characterized by plastic film carrying a bonding agent layer which flows under specific conditions, and an electroconductive metallic material layer which is geometrically patterned by micro-lithography so as to have an aperture ratio of 50% or more. This electromagnetic shielding bonding film is

combined with a plastic plate to obtain an electromagnetic shielding assembly. Also is provided a display device such as CRT, PDP, LCD, or EL which has the electromagnetic shielding bonding film or the electromagnetic shielding assembly on the display screen.

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L4 and antimony	14

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11. Document ID: US 6104530 A

AB: Transparent laminates which have high transparency and, moreover, excellent electromagnetic shielding characteristics and near-infrared cutting-off characteristics, and optical filters for displays using these transparent laminates. These transparent laminates are formed by laminating a transparent electrically conductive layer composed of high-refractive-index transparent film layers (B) and metal film layers (C) consisting of silver or a silver-containing alloy on one major surface of a transparent substrate (A) in such a way that a repeating unit comprising a combination of one high-refractive-index transparent film layer (B) and one metal film layer (C) is laminated three times or more, and further laminating one high-refractive-index transparent film layer (B) thereon. The transparent laminate has a sheet resistance of not greater than 3 .OMEGA./sq., a visible light transmittance of not less than 50%, and a light transmittance of not greater than 20% in a wavelength region longer than 820 nm. Optical filters for displays which serve to block leakage electromagnetic waves and near-infrared light from plasma displays can be acquired by using such a transparent laminate.

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KWMC](#) [Drawn Des](#)

12. Document ID: US 6086979 A

AB: An electromagnetic shielding bonding film has a substantially transparent base film and an electroconductive metallic material layer geometrically patterned on the base film to have an aperture ratio of 50% or more. A bonding agent layer is placed at least over a part of the plastic base film not covered by the electroconductive metallic material layer and has a predetermined selectively given fluidity.

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KWMC](#) [Drawn Des](#)

13. Document ID: US 5691838 A

AB: Disclosed herein is an infrared-blocking optical filter having optical properties that the transmittance to rays in a visible region is excellent while rays in a near infrared region, particularly, in a wavelength range longer than 1200 nm are cut off or attenuated with high efficiency. The infrared-blocking optical filter includes a transparent

substrate and either of the following infrared-blocking film (A) and (B) provided on a surface of the transparent substrate. Film (A): an infrared-blocking film formed on a synthetic resin in which fine powder of metal oxide material composed of indium oxide and/or tin oxide is dispersed; and Film (B): an infrared-blocking film formed of a deposit of a metal oxide material composed of indium oxide and/or tin oxide. The infrared-blocking film may be formed on a transparent support member to constitute an infrared-blocking composite film which is provided on a surface of the transparent substrate to form an infrared-blocking optical filter.

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Drawn Des](#)

14. Document ID: WO 2004090049 A1

AB: CHG DATE=20041102 STATUS=O>Disclosed is a novel concept of infrared blocking powder, that is to say, indium antimony tin oxide (IATO), which is produced by mixing indium (In), antimony (Sb), and tin (Sn) in a predetermined mixing ratio, and co-precipitating a mixture in solvent. Additionally, the present invention provides infrared blocking solution and infrared blocking material using the infrared blocking powder, which allow visible rays to transmit therethrough but effectively block near-infrared rays acting as thermic rays.

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Terms	Documents
L4 and antimony	14

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